PROPafenONE HYDROCHLORIDE- propafenone hydrochloride tablet, coated
ANI Pharmaceuticals, Inc.

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use Propafenone Hydrochloride Tablets safely and effectively. See full prescribing information for Propafenone Hydrochloride Tablets.

Initial U.S. Approval: 1989

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WARNING: MORTALITY
See full prescribing information for complete boxed warning.

- An increased rate of death or reversed cardiac arrest rate was seen in patients treated with encainide or flecainide (Class IC antiarrhythmics) compared with that seen in patients assigned to placebo. At present it is prudent to consider any IC antiarrhythmic to have a significant risk of provoking proarrhythmic events in patients with structural heart disease.
- Given the lack of any evidence that these drugs improve survival, antiarrhythmic agents should generally be avoided in patients with non-life-threatening ventricular arrhythmias, even if the patients are experiencing unpleasant, but not life-threatening, symptoms or signs.

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RECENT MAJOR CHANGES
Contraindications (4) 3/2013
Warnings and Precautions, Unmasking Brugada Syndrome (5.2) 3/2013

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INDICATIONS AND USAGE
Propafenone Hydrochloride Tablets are an antiarrhythmic indicated to:

- prolong the time to recurrence of symptomatic atrial fibrillation (AF) in patients with episodic (most likely paroxysmal or persistent) AF who do not have structural heart disease. (1)
- prolong the time to recurrence of paroxysmal supraventricular tachycardia (PSVT) associated with disabling symptoms in patients who do not have structural heart disease. (1)
- treat documented life-threatening ventricular arrhythmias. (1)

Usage Considerations:

- Use in patients with permanent atrial fibrillation or with atrial flutter or PSVT has not been evaluated. Do not use to control ventricular rate during atrial fibrillation. (1)
- In patients with atrial fibrillation and atrial flutter, use Propafenone Hydrochloride Tablets with drugs that increase the atrioventricular nodal refractory period. (1)
- Because of proarrhythmic effects, use with lesser ventricular arrhythmias is not recommended, even if patients are symptomatic. (1)
- The effect of propafenone on mortality has not been determined. (1)

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DOSAGE AND ADMINISTRATION

- Initiate therapy with 150 mg given every 8 hours. (2)
- As needed, up titrate in 3-4 days to 225-300 mg every 8 hours. (2)
- Consider reducing the dose in patients with hepatic impairment, significant widening of the QRS complex, or second or third degree AV block. (2)

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DOSAGE FORMS AND STRENGTHS
Tablets: 150 mg, 225 mg, 300 mg. (3)

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CONTRAINDICATIONS

- Heart failure, cardiogenic shock, or marked hypotension (4)
- Sinoatrial, atrioventricular, and intraventricular disorders of impulse generation or conduction in the absence of pacemaker (4)
WARNINGS AND PRECAUTIONS

- May cause new or worsened arrhythmias. Evaluate patients via ECG prior to and during therapy. (5.1)
- Propafenone Hydrochloride Tablets may unmask Brugada or Brugada-like Syndrome. (4, 5.2)
- Avoid use with other drugs that prolong the QT interval. (5.3)
- Avoid simultaneous use of propafenone with both a cytochrome P450 2D6 inhibitor and a 3A4 inhibitor. (5.4)
- May provoke overt heart failure. (5.5)
- May cause dose-related first degree AV block or other conduction disturbances. Only use in patients with conduction disorders who have pacemakers. (5.6)
- May affect artificial pacemakers. Monitor pacemaker function. (5.7)
- Agranulocytosis: Patients should report signs of infection. (5.8)
- May exacerbate myasthenia gravis. (5.11)

ADVERSE REACTIONS

The most commonly reported adverse events with propafenone (>5%) included: unusual taste, nausea and/or vomiting, dizziness, constipation, headache, fatigue, first degree AV block, and intraventricular conduction delay. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact ANI Pharmaceuticals, Inc. at 1-800-308-6755 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DRUG INTERACTIONS

- Inhibitors of CYP2D6, 1A2, and 3A4 increase propafenone exposure. (7.1)
- Propafenone may increase digoxin or warfarin levels. (7.2, 7.3)
- Orlistat may reduce propafenone exposure. Taper orlistat withdrawal. (7.4)
- Lidocaine may increase central nervous system side effects. (7.6)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.
5.13 Impaired Spermatogenesis

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FULL PRESCRIBING INFORMATION
WARNING: MORTALITY

• In the National Heart, Lung and Blood Institute’s Cardiac Arrhythmia Suppression Trial (CAST), a long-term, multi-center, randomized, double-blind study in patients with asymptomatic non-life-threatening ventricular arrhythmias who had a myocardial infarction more than 6 days but less than 2 years previously, an increased rate of death or reversed cardiac arrest rate (7.7%; 56/730) was seen in patients treated with encainide or flecainide (Class IC antiarrhythmics) compared with that seen in patients assigned to placebo (3.0%; 22/725). The average duration of treatment with encainide or flecainide in this study was 10 months.

• The applicability of the CAST results to other populations (e.g., those without recent myocardial infarction) or other antiarrhythmic drugs is uncertain, but at present, it is prudent to consider any IC antiarrhythmic to have a significant proarrhythmic risk in patients with structural heart disease. Given the lack of any evidence that these drugs improve survival, antiarrhythmic agents should generally be avoided in patients with non-life-threatening ventricular arrhythmias, even if the patients are experiencing unpleasant, but not life-threatening, symptoms or signs.

1 INDICATIONS AND USAGE
Propafenone Hydrochloride Tablets USP are indicated to:

• prolong the time to recurrence of paroxysmal atrial fibrillation/flutter (PAF) associated with disabling symptoms in patients without structural heart disease.
• prolong the time to recurrence of paroxysmal supraventricular tachycardia (PSVT) associated with disabling symptoms in patients without structural heart disease.
• treat documented ventricular arrhythmias, such as sustained ventricular tachycardia that, in the judgment of the physician, are life-threatening. Initiate treatment in the hospital.

Usage Considerations:

• The use of Propafenone Hydrochloride Tablets USP in patients with permanent atrial fibrillation (AF) or in patients exclusively with atrial flutter or PSVT has not been evaluated. Do not use Propafenone Hydrochloride Tablets USP to control ventricular rate during AF.
• Some patients with atrial flutter treated with propafenone have developed 1:1 conduction, producing an increase in ventricular rate. Concomitant treatment with drugs that increase the functional atrioventricular (AV) nodal refractory period is recommended.
• The use of Propafenone Hydrochloride Tablets USP in patients with chronic atrial fibrillation has not been evaluated.
• Because of the proarrhythmic effects of Propafenone Hydrochloride Tablets USP, its use with lesser ventricular arrhythmias is not recommended, even if patients are symptomatic, and any use of the drug should be reserved for patients in whom, in the opinion of the physician, the potential benefits outweigh the risks.
• The effect of propafenone on mortality has not been determined [see Boxed Warning].

2 DOSAGE AND ADMINISTRATION
The dose of Propafenone Hydrochloride Tablets must be individually titrated on the basis of response and tolerance. Initiate therapy with Propafenone Hydrochloride Tablets 150 mg given every eight hours
Dosage may be increased at a minimum of 3 to 4 day intervals to 225 mg every 8 hours (675 mg/day). If additional therapeutic effect is needed, the dose of Propafenone Hydrochloride Tablets may be increased to 300 mg every 8 hours (900 mg/day). The usefulness and safety of dosages exceeding 900 mg per day have not been established.

In patients with hepatic impairment or those with significant widening of the QRS complex or second or third degree AV block, consider reducing the dose.

As with other antiarrhythmic agents, in the elderly or in ventricular arrhythmia patients with marked previous myocardial damage, the dose of Propafenone Hydrochloride Tablets should be increased more gradually during the initial phase of treatment.

The combination of CYP3A4 inhibition and either CYP2D6 deficiency or CYP2D6 inhibition with the simultaneous administration of propafenone may significantly increase the concentration of propafenone and thereby increase the risk of proarrhythmia and other adverse events. Therefore, avoid simultaneous use of Propafenone Hydrochloride Tablets with both a CYP2D6 inhibitor and a CYP3A4 inhibitor [see Warnings and Precautions (5.4) and Drug Interactions (7.1)].

### 3 DOSAGE FORMS AND STRENGTHS

150 mg, 225 mg and 300 mg scored, round, film-coated tablets.

### 4 CONTRAINDICATIONS

Propafenone hydrochloride tablets are contraindicated in the following circumstances:

- Heart failure
- Cardiogenic shock
- Sinoatrial, atrioventricular and intraventricular disorders of impulse generation or conduction (e.g., sick sinus node syndrome, AV block) in the absence of an artificial pacemaker
- Known Brugada Syndrome
- Bradycardia
- Marked hypotension
- Bronchospastic disorders or severe obstructive pulmonary disease
- Marked electrolyte imbalance

### 5 WARNINGS AND PRECAUTIONS

#### 5.1 Proarrhythmic Effects

Propafenone has caused new or worsened arrhythmias. Such proarrhythmic effects include sudden death and life-threatening ventricular arrhythmias such as ventricular fibrillation, ventricular tachycardia, asystole and torsade de pointes. It may also worsen premature ventricular contractions or supraventricular arrhythmias, and it may prolong the QT interval. It is therefore essential that each patient given propafenone hydrochloride tablets be evaluated electrocardiographically prior to and during therapy to determine whether the response to propafenone hydrochloride tablets support continued treatment. Because propafenone prolongs the QRS interval in the electrocardiogram, changes in the QT interval are difficult to interpret [see Clinical Pharmacology (12.2)].

In a U.S. uncontrolled, open label, multicenter trial in patients with symptomatic supraventricular tachycardia (SVT), 1.9% (9/474) of these patients experienced ventricular tachycardia (VT) or ventricular fibrillation (VF) during the study. However, in 4 of the 9 patients, the ventricular tachycardia was of atrial origin. Six of the nine patients that developed ventricular arrhythmias did so within 14 days of onset of therapy. About 2.3% (11/474) of all patients had a recurrence of SVT during the study.
which could have been a change in the patients’ arrhythmia behavior or could represent a proarrhythmic event. Case reports in patients treated with propafenone for atrial fibrillation/flutter have included increased premature ventricular contractions (PVCs), VT, VF, torsade de pointes, asystole, and death.

Overall in clinical trials with propafenone hydrochloride tablets (which included patients treated for ventricular arrhythmias, atrial fibrillation/flutter, and PSVT), 4.7% of all patients had new or worsened ventricular arrhythmia possibly representing a proarrhythmic event (0.7% was an increase in PVCs; 4.0% a worsening, or new appearance, of VT or VF). Of the patients who had worsening of VT (4%), 92% had a history of VT and/or VT/VF, 71% had coronary artery disease, and 68% had a prior myocardial infarction. The incidence of proarrhythmia in patients with less serious or benign arrhythmias, which include patients with an increase in frequency of PVCs, was 1.6%. Although most proarrhythmic events occurred during the first week of therapy, late events also were seen and the CAST study [see Boxed Warning: Mortality] suggests that an increased risk of proarrhythmia is present throughout treatment.

In a study of sustained-release propafenone, there were too few deaths to assess the long term risk to patients. There were 5 deaths, 3 in the pooled sustained-release propafenone group (0.8%) and 2 in the placebo group (1.6%). In the overall sustained-release propafenone and propafenone immediate-release database of 8 studies, the mortality rate was 2.5% per year on propafenone and 4.0% per year on placebo. Concurrent use of propafenone with other antiarrhythmic agents has not been well studied.

5.2 Unmasking Brugada Syndrome
Brugada Syndrome may be unmasked after exposure to propafenone hydrochloride tablets. Perform an ECG after initiation of propafenone hydrochloride tablets, and discontinue the drug if changes are suggestive of Brugada Syndrome [see Contraindications (4)].

5.3 Use with Drugs that Prolong the QT Interval and Antiarrhythmic Agents
The use of propafenone hydrochloride tablets in conjunction with other drugs that prolong the QT interval has not been extensively studied. Such drugs may include many antiarrhythmics, some phenothiazines, tricyclic antidepressants, and oral macrolides. Withhold Class IA and III antiarrhythmic agents for at least 5 half-lives prior to dosing with propafenone hydrochloride tablets. Avoid the use of propafenone with Class IA and III antiarrhythmic agents (including quinidine and amiodarone). There is only limited experience with the concomitant use of Class IB or IC antiarrhythmics.

5.4 Drug Interactions: Simultaneous Use with Inhibitors of Cytochrome P450 Isoenzymes 2D6 and 3A4
Propafenone is metabolized by CYP2D6, CYP3A4, and CYP1A2 isoenzymes. Approximately 6% of Caucasians in the U.S. population are naturally deficient in CYP2D6 activity and to a somewhat lesser extent in other demographic groups. Drugs that inhibit these CYP pathways (such as desipramine, paroxetine, ritonavir, sertraline for CYP2D6; ketoconazole, erythromycin, saquinavir, and grapefruit juice for CYP3A4; and amiodarone and tobacco smoke for CYP1A2) can be expected to cause increased plasma levels of propafenone.

Increased exposure to propafenone may lead to cardiac arrhythmias and exaggerated beta-adrenergic blocking activity. Because of its metabolism, the combination of CYP3A4 inhibition and either CYP2D6 deficiency or CYP2D6 inhibition in users of propafenone is potentially hazardous. Therefore, avoid simultaneous use of propafenone hydrochloride tablets with both a CYP2D6 inhibitor and a CYP3A4 inhibitor.

5.5 Use in Patients with a History of Heart Failure
Propafenone exerts a negative inotropic activity on the myocardium as well as beta blockade effects and may provoke overt heart failure.

In clinical trial experience with propafenone hydrochloride tablets, new or worsened congestive heart
failure (CHF) has been reported in 3.7% of patients with ventricular arrhythmia; of those 0.9% were considered probably or definitely related to propafenone hydrochloride. Of the patients with CHF probably related to propafenone, 80% had preexisting heart failure and 85% had coronary artery disease. CHF attributable to propafenone hydrochloride developed rarely (< 0.2%) in ventricular arrhythmia patients who had no previous history of CHF. CHF occurred in 1.9% of patients studied with PAF or PSVT.

In a U.S. trial of sustained-release propafenone in patients with symptomatic AF, heart failure was reported in 4 (1.0%) patients receiving sustained-release propafenone (all doses), compared to 1 (0.8%) patient receiving placebo.

5.6 Conduction Disturbances
Propafenone slows atrioventricular conduction and may also cause dose-related first degree AV block. Average PR interval prolongation and increases in QRS duration are also dose-related. Do not give propafenone to patients with atrioventricular and intraventricular conduction defects in the absence of a pacemaker [see Contraindications (4) and Clinical Pharmacology (12.2)].

The incidence of first degree, second degree, and third degree AV block observed in 2,127 ventricular arrhythmia patients was 2.5%, 0.6%, and 0.2%, respectively. Development of second or third degree AV block requires a reduction in dosage or discontinuation of propafenone hydrochloride. Bundle branch block (1.2%) and intraventricular conduction delay (1.1%) have been reported in patients receiving propafenone. Bradycardia has also been reported (1.5%). Experience in patients with sick sinus node syndrome is limited and these patients should not be treated with propafenone.

In a U.S. trial in 523 patients with a history of symptomatic AF treated with sustained-release propafenone, sinus bradycardia (rate <50 beats/min) was reported with the same frequency with sustained-release propafenone and placebo.

5.7 Effects on Pacemaker Threshold
Propafenone may alter both pacing and sensing thresholds of implanted pacemakers and defibrillators. During and after therapy, monitor and re-program these devices accordingly.

5.8 Agranulocytosis
Agranulocytosis has been reported in patients receiving propafenone. Generally, the agranulocytosis occurred within the first 2 months of propafenone therapy and upon discontinuation of therapy, the white count usually normalized by 14 days. Unexplained fever or decrease in white cell count, particularly during the initial 3 months of therapy, warrant consideration of possible agranulocytosis or granulocytopenia. Instruct patients to report promptly any signs of infection such as fever, sore throat, or chills.

5.9 Use in Patients with Hepatic Dysfunction
Propafenone is highly metabolized by the liver. Severe liver dysfunction increases the bioavailability of propafenone to approximately 70% compared to 3 to 40% in patients with normal liver function. In 8 patients with moderate to severe liver disease, the mean half-life was approximately 9 hours. Increased bioavailability of propafenone in these patients may result in excessive accumulation. Carefully monitor patients with impaired hepatic function for excessive pharmacological effects [see Overdosage (10)].

5.10 Use in Patients with Renal Dysfunction
Approximately 50% of propafenone metabolites are excreted in the urine following administration of propafenone hydrochloride tablets.

In patients with impaired renal function, monitor for signs of overdosage [see Overdosage (10)].

5.11 Use in Patients with Myasthenia Gravis
Exacerbation of myasthenia gravis has been reported during propafenone therapy.

5.12 Elevated ANA Titers
Positive ANA titers have been reported in patients receiving propafenone. They have been reversible upon cessation of treatment and may disappear even in the face of continued propafenone therapy. These laboratory findings were usually not associated with clinical symptoms, but there is one published case of drug-induced lupus erythematosis (positive rechallenge); it resolved completely upon discontinuation of therapy. Carefully evaluate patients who develop an abnormal ANA test and, if persistent or worsening elevation of ANA titers is detected, consider discontinuing therapy.

5.13 Impaired Spermatogenesis
Reversible disorders of spermatogenesis have been demonstrated in monkeys, dogs and rabbits after high dose intravenous administration of propafenone. Evaluation of the effects of short-term propafenone hydrochloride tablets administration on spermatogenesis in 11 normal subjects suggested that propafenone produced a reversible, short-term drop (within normal range) in sperm count.

6 ADVERSE REACTIONS

6.1 Clinical Trials Experience
Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Adverse reactions associated with propafenone hydrochloride tablets occur most frequently in the gastrointestinal, cardiovascular, and central nervous systems. About 20% of patients treated with propafenone hydrochloride tablets have discontinued treatment because of adverse reactions.

Adverse reactions reported for > 1.5% of 474 SVT patients who received propafenone hydrochloride tablets in U.S. clinical trials are presented in Table 1 by incidence and percent discontinuation, reported to the nearest percent.

Table 1: Adverse Reactions Reported for > 1.5% of SVT Patients

<table>
<thead>
<tr>
<th>Reaction</th>
<th>Incidence (N = 480)</th>
<th>% of Pts. Who Discontinued</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unusual Taste</td>
<td>14%</td>
<td>1.3%</td>
</tr>
<tr>
<td>Nausea and/or Vomiting</td>
<td>11%</td>
<td>2.9%</td>
</tr>
<tr>
<td>Dizziness</td>
<td>9%</td>
<td>1.7%</td>
</tr>
<tr>
<td>Constipation</td>
<td>8%</td>
<td>0.2%</td>
</tr>
<tr>
<td>Headache</td>
<td>6%</td>
<td>0.8%</td>
</tr>
<tr>
<td>Fatigue</td>
<td>6%</td>
<td>1.5%</td>
</tr>
<tr>
<td>Blurred Vision</td>
<td>3%</td>
<td>0.6%</td>
</tr>
<tr>
<td>Weakness</td>
<td>3%</td>
<td>1.3%</td>
</tr>
<tr>
<td>Dyspnea</td>
<td>2%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Wide Complex Tachycardia</td>
<td>2%</td>
<td>1.9%</td>
</tr>
<tr>
<td>CHF</td>
<td>2%</td>
<td>0.6%</td>
</tr>
<tr>
<td>Bradycardia</td>
<td>2%</td>
<td>0.2%</td>
</tr>
<tr>
<td>Palpitations</td>
<td>2%</td>
<td>0.2%</td>
</tr>
<tr>
<td>Tremor</td>
<td>2%</td>
<td>0.4%</td>
</tr>
</tbody>
</table>
Anorexia 2% 0.2%
Diarrhea 2% 0.4%
Ataxia 2% 0.0%

In controlled trials in patients with ventricular arrhythmia, the most common reactions reported for propafenone hydrochloride tablets and more frequent than on placebo were unusual taste, dizziness, first degree AV block, intraventricular conduction delay, nausea and/or vomiting, and constipation. Headache was relatively common also, but was not increased compared to placebo. Other reactions reported more frequently than on placebo or comparator and not already reported elsewhere included anxiety, angina, second degree AV block, bundle branch block, loss of balance, congestive heart failure, and dyspepsia.

Adverse reactions reported for ≥ 1% of 2,127 ventricular arrhythmia patients who received propafenone in U.S. clinical trials were evaluated by daily dose. The most common adverse reactions appeared dose-related (but note that most patients spent more time at the larger doses), especially dizziness, nausea and/or vomiting, unusual taste, constipation, and blurred vision. Some less common reactions may also have been dose-related such as first degree AV block, congestive heart failure, dyspepsia, and weakness. Other adverse reactions included rash, syncope, chest pain, abdominal pain, ataxia, and hypotension.

In addition, the following adverse reactions were reported less frequently than 1% either in clinical trials or in marketing experience. Causality and relationship to propafenone therapy cannot necessarily be judged from these events.

**Cardiovascular System:** Atrial flutter, AV dissociation, cardiac arrest, flushing, hot flashes, sick sinus syndrome, sinus pause or arrest, supraventricular tachycardia.

**Nervous System:** Abnormal dreams, abnormal speech, abnormal vision, confusion, depression, memory loss, numbness, paresthesias, psychosis/mania, seizures (0.3%), tinnitus, unusual smell sensation, vertigo.

**Gastrointestinal:** Cholestasis, elevated liver enzymes (alkaline phosphatase, serum transaminases), gastroenteritis, hepatitis.

**Hematologic:** Agranulocytosis, anemia, bruising, granulocytopenia, leukopenia, purpura, thrombocytopenia.

**Other:** Alopecia, eye irritation, impotence, increased glucose, positive ANA (0.7%), muscle cramps, muscle weakness, nephrotic syndrome, pain, pruritus.

### 6.2 Postmarketing Experience

The following adverse reactions have been identified during post-approval use of propafenone hydrochloride tablets. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

**Gastrointestinal:** A number of patients with liver abnormalities associated with propafenone therapy have been reported in post-marketing experience. Some appeared due to hepatocellular injury, some were cholestatic and some showed a mixed picture. Some of these reports were simply discovered through clinical chemistries, others because of clinical symptoms including fulminant hepatitis and death. One case was rechallenged with a positive outcome.

**Blood and Lymphatic System:** Increased bleeding time

**Immune System:** lupus erythematosus

**Nervous System:** Apnea, coma

**Renal and Urinary:** Hyponatremia/inappropriate ADH secretion, kidney failure
7 DRUG INTERACTIONS

7.1 CYP2D6 and CYP3A4 Inhibitors

Drugs that inhibit CYP2D6 (such as desipramine, paroxetine, ritonavir, or sertraline) and CYP3A4 (such as ketoconazole, ritonavir, saquinavir, erythromycin, or grapefruit juice) can be expected to cause increased plasma levels of propafenone. The combination of CYP3A4 inhibition and either CYP2D6 deficiency or CYP2D6 inhibition with administration of propafenone may increase the risk of adverse reactions, including proarrhythmia. Therefore, simultaneous use of propafenone hydrochloride tablets with both a CYP2D6 inhibitor and a CYP3A4 inhibitor should be avoided [see Warnings and Precautions (5.4) and Dosage and Administration (2)].

Amiodarone: Concomitant administration of propafenone and amiodarone can affect conduction and repolarization and is not recommended.

Cimetidine: Concomitant administration of propafenone immediate release tablets and cimetidine in 12 healthy subjects resulted in a 20% increase in steady-state plasma concentrations of propafenone.

Fluoxetine: Concomitant administration of propafenone and fluoxetine in extensive metabolizers increased the S-propafenone C\(_{\text{max}}\) and AUC by 39% and 50% and the R propafenone C\(_{\text{max}}\) and AUC by 71% and 50%.

Quinidine: Small doses of quinidine completely inhibit the CYP2D6 hydroxylation metabolic pathway, making all patients, in effect, slow metabolizers [see Clinical Pharmacology (12)]. Concomitant administration of quinidine (50 mg three times daily) with 150 mg immediate release propafenone three times daily decreased the clearance of propafenone by 60% in extensive metabolizers, making them slow metabolizers. Steady-state plasma concentrations more than doubled for propafenone, and decreased 50% for 5-OH-propafenone. A 100 mg dose of quinidine tripled steady state concentrations of propafenone. Avoid concomitant use of propafenone and quinidine.

Rifampin: Concomitant administration of rifampin and propafenone in extensive metabolizers decreased the plasma concentrations of propafenone by 67% with a corresponding decrease of 5-OH-propafenone by 65%. The concentrations of norpropafenone increased by 30%. In slow metabolizers, there was a 50% decrease in propafenone plasma concentrations and increased the AUC and C\(_{\text{max}}\) of norpropafenone by 74% and 20%, respectively. Urinary excretion of propafenone and its metabolites decreased significantly. Similar results were noted in elderly patients: Both the AUC and C\(_{\text{max}}\) propafenone decreased by 84%, with a corresponding decrease in AUC and C\(_{\text{max}}\) of 5-OH-propafenone by 69% and 57%.

7.2 Digoxin

Concomitant use of propafenone and digoxin increased steady-state serum digoxin exposure (AUC) in patients by 60% to 270%, and decreased the clearance of digoxin by 31% to 67%. Monitor plasma digoxin levels of patients receiving propafenone and adjust digoxin dosage as needed.

7.3 Warfarin

The concomitant administration of propafenone and warfarin increased warfarin plasma concentrations at steady state by 39% in healthy volunteers and prolonged the prothrombin time (PT) in patients taking warfarin. Adjust the warfarin dose as needed by monitoring INR (international normalized ratio).

7.4 Orlistat

Orlistat may limit the fraction of propafenone available for absorption. In post marketing reports, abrupt cessation of orlistat in patients stabilized on propafenone has resulted in severe adverse events including convulsions, atrioventricular block and acute circulatory failure.

7.5 Beta-Antagonists
Concomitant use of propafenone and propranolol in healthy subjects increased propranolol plasma concentrations at steady state by 113%. In 4 patients, administration of metoprolol with propafenone increased the metoprolol plasma concentrations at steady state by 100% to 400%. The pharmacokinetics of propafenone was not affected by the coadministration of either propranolol or metoprolol. In clinical trials using propafenone immediate release tablets, patients who were receiving beta-blockers concurrently did not experience an increased incidence of side effects.

7.6 Lidocaine

No significant effects on the pharmacokinetics of propafenone or lidocaine have been seen following their concomitant use in patients. However, concomitant use of propafenone and lidocaine has been reported to increase the risks of central nervous system side effects of lidocaine.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Category C. There are no adequate and well-controlled studies in pregnant women. Propafenone hydrochloride tablets should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Animal Data: Teratogenic Effects: Propafenone has been shown to be embryotoxic (decreased survival) in rabbits and rats when given in oral maternally toxic doses of 150 mg/kg day (about 3 times the maximum recommended human dose [MRHD] on a mg/m² basis) and 600 mg/kg/day (about 6 times the MRHD on a mg/m² basis), respectively. Although maternally tolerated doses (up to 270 mg/kg/day, about 3 times the MRHD on a mg/m² basis) produced no evidence of embryotoxicity in rats, post-implantation loss was elevated in all rabbit treatment groups (doses as low as 15 mg/kg/day, about 1/3 the MRHD on a mg/m² basis).

Non-teratogenic Effects: In a study in which female rats received daily oral doses of propafenone from mid-gestation through weaning of their offspring, doses as low as 90 mg/kg/day (equivalent to the MRHD on a mg/m² basis) produced increases in maternal deaths. Doses of 360 or more mg/kg/day (4 or more times the MRHD on a mg/m² basis) resulted in reductions in neonatal survival, body weight gain and physiological development.

8.2 Labor and Delivery

It is not known whether the use of propafenone during labor or delivery has immediate or delayed adverse effects on the fetus, or whether it prolongs the duration of labor or increases the need for forceps delivery or other obstetrical intervention.

8.3 Nursing Mothers

Propafenone is excreted in human milk. Because of the potential for serious adverse reactions in nursing infants from propafenone, decide whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother.

8.4 Pediatric Use

The safety and effectiveness of propafenone in pediatric patients have not been established.

8.5 Geriatric Use

Clinical studies of propafenone hydrochloride tablets did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac
10 OVERDOSAGE
The symptoms of overdosage may include hypotension, somnolence, bradycardia, intra-atrial and intraventricular conduction disturbances, and rarely convulsions and high grade ventricular arrhythmias. Defibrillation as well as infusion of dopamine and isoproterenol have been effective in controlling abnormal rhythm and blood pressure. Convulsions have been alleviated with intravenous diazepam. General supportive measures such as mechanical respiratory assistance and external cardiac massage may be necessary.

The hemodialysis of propafenone in patients with an overdose is expected to be of limited value in the removal of propafenone as a result of both its high protein binding (>95%) and large volume of distribution.

11 DESCRIPTION
Propafenone Hydrochloride Tablets USP are an antiarrhythmic drug supplied in scored, film-coated tablets of 150 mg, 225 mg and 300 mg for oral administration. Propafenone has some structural similarities to beta-blocking agents.

Chemically, propafenone hydrochloride is 2’-[2-Hydroxy-3-(propylamino)-propoxy]-3-phenylpropioiophenone hydrochloride, with a molecular weight of 377.92. The molecular formula is C_{21}H_{27}NO_{3}•HCl. The structural formula of propafenone hydrochloride is given below:

Propafenone hydrochloride occurs as colorless crystals or white crystalline powder with a very bitter taste. It is slightly soluble in water (20°C), chloroform and ethanol. The following inactive ingredients are contained in the tablet: corn starch, croscarmellose sodium, hypromellose, maltodextrin, magnesium stearate, microcrystalline cellulose, polydextrose, polyethylene glycol, povidone, silicon dioxide colloidal, titanium dioxide, and triacetin.

12 CLINICAL PHARMACOLOGY
12.1 Mechanism of Action
Propafenone is a Class 1C antiarrhythmic drug with local anesthetic effects, and a direct stabilizing action on myocardial membranes. The electrophysiological effect of propafenone manifests itself in a reduction of upstroke velocity (Phase 0) of the monophasic action potential. In Purkinje fibers, and to a lesser extent myocardial fibers, propafenone reduces the fast inward current carried by sodium ions. Diastolic excitability threshold is increased and effective refractory period prolonged. Propafenone reduces spontaneous automaticity and depresses triggered activity.

Studies in anesthetized dogs and isolated organ preparations show that propafenone has beta-sympatholytic activity at about 1/50 the potency of propranolol. Clinical studies employing isoproterenol challenge and exercise testing after single doses of propafenone indicate a beta-
adrenergic blocking potency (per mg) about 1/40 that of propranolol in man. In clinical trials, resting heart rate decreases of about 8% were noted at the higher end of the therapeutic plasma concentration range. At very high concentrations in vitro, propafenone can inhibit the slow inward current carried by calcium, but this calcium antagonist effect probably does not contribute to antiarrhythmic efficacy. Moreover, propafenone inhibits a variety of cardiac potassium currents in in vitro studies (i.e., the transient outward, the delayed rectifier, and the inward rectifier current). Propafenone has local anesthetic activity approximately equal to procaine. Compared to propafenone, the main metabolite, 5-hydroxypropafenone, has similar sodium and calcium channel activity, but about 10 times less beta-blocking activity (N-depropylpropafenone has weaker sodium channel activity but equivalent affinity for beta-receptors).

12.2 Pharmacodynamics

Electrophysiology: Electrophysiology studies in patients with ventricular tachycardia have shown that propafenone prolongs atrioventricular conduction while having little or no effect on sinus node function. Both atrioventricular nodal conduction time (AH interval) and His-Purkinje conduction time (HV interval) are prolonged. Propafenone has little or no effect on the atrial functional refractory period, but AV nodal functional and effective refractory periods are prolonged. In patients with Wolff-Parkinson-White syndrome, propafenone hydrochloride tablets reduce conduction and increase the effective refractory period of the accessory pathway in both directions.

Electrocardiograms: Propafenone slows/prolongs the PR and QRS intervals. Prolongation of the QRS interval makes it difficult to interpret the effect of propafenone on the QT interval.

Table 2: Mean Changes in Electrocardiogram Intervals a

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<tr>
<th>Total Daily Dose (mg)</th>
<th>Interval</th>
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<th>675 mg</th>
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<tr>
<td></td>
<td>RR</td>
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<td>%</td>
<td>m sec</td>
<td>%</td>
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<tr>
<td></td>
<td>PR</td>
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<td>19.1</td>
<td>11.6</td>
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<tr>
<td></td>
<td>QRS</td>
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<td>0.7</td>
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a Change and percent change based on mean baseline values for each treatment group.

In any individual patient, the above ECG changes cannot be readily used to predict either efficacy or plasma concentration.

Propafenone hydrochloride tablets cause a dose-related and concentration-related decrease in the rate of single and multiple premature ventricular contractions (PVCs) and can suppress recurrence of ventricular tachycardia. Based on the percent of patients attaining substantial (80% to 90%) suppression of ventricular ectopic activity, it appears that trough plasma levels of 0.2 to 1.5 μg/mL can provide good suppression, with higher concentrations giving a greater rate of good response.

When 600 mg/day propafenone was administered to patients with paroxysmal atrial tachyarrhythmias, mean heart rate during arrhythmia decreased 14 beats/min and 37 beats/min for paroxysmal atrial fibrillation/flutter (PAF) patients and paroxysmal supraventricular tachycardia (PSVT) patients, respectively.

Hemodynamics: Studies in humans have shown that propafenone hydrochloride exerts a negative inotropic effect on the myocardium. Cardiac catheterization studies in patients with moderately impaired ventricular function (mean C.I. = 2.61 L/min/m²) utilizing intravenous propafenone infusions (loading dose of 2 mg/kg over 10 min followed by 2 mg/min for 30 min) that gave mean plasma concentrations of 3.0 μg/mL (a dose that produces plasma levels of propafenone greater than does recommended oral dosing) showed significant increases in pulmonary capillary wedge pressure, systemic and pulmonary
vascular resistances and depression of cardiac output and cardiac index.

12.3 Pharmacokinetics

Absorption/Bioavailability: Propafenone hydrochloride is nearly completely absorbed after oral administration with peak plasma levels occurring approximately 3.5 hours after administration in most individuals. Propafenone exhibits extensive saturable presystemic biotransformation (first pass effect) resulting in a dose dependent and dosage form dependent absolute bioavailability; e.g., a 150 mg tablet had absolute bioavailability of 3.4%, while a 300 mg tablet had absolute bioavailability of 10.6%. A 300 mg solution which was rapidly absorbed had absolute bioavailability of 21.4%. At still larger doses, above those recommended, bioavailability increases still further.

Propafenone hydrochloride follows a nonlinear pharmacokinetic disposition presumably because of saturation of first pass hepatic metabolism as the liver is exposed to higher concentrations of propafenone and shows a very high degree of interindividual variability. For example, for an increase in daily dose from 300 to 900 mg/day there is a 10-fold increase in steady-state plasma concentration. The top 25% of patients given 337.5 mg/day, however, had a mean concentration of propafenone larger than the bottom 25%, and about equal to the second 25%, of patients given a dose of 900 mg. Although food increased peak blood level and bioavailability in a single dose study, during multiple dose administration of propafenone to healthy volunteers food did not change bioavailability significantly.

Distribution: Following intravenous administration of propafenone, plasma levels decline in a bi-phasic manner consistent with a 2 compartment pharmacokinetic model. The average distribution half-life corresponding to the first phase was about 5 minutes. The volume of the central compartment was about 88 liters (1.1 L/kg) and the total volume of distribution about 252 liters.

In serum, propafenone is greater than 95% bound to proteins within the concentration range of 0.5 to 2 μg/mL.

Metabolism: There are two genetically determined patterns of propafenone metabolism. In over 90% of patients, the drug is rapidly and extensively metabolized with an elimination half-life from 2 to 10 hours. These patients metabolize propafenone into two active metabolites: 5-hydroxypropafenone which is formed by CYP2D6 and N-depropylpropafenone (norpropafenone) which is formed by both CYP3A4 and CYP1A2.

In less than 10% of patients, metabolism of propafenone is slower because the 5-hydroxy metabolite is not formed or is minimally formed. In these patients, the estimated propafenone elimination half-life ranges from 10 to 32 hours. Decreased ability to form the 5-hydroxy metabolite of propafenone is associated with a diminished ability to metabolize debrisoquine and a variety of other drugs (such as encaimide, metoprolol, and dextromethorphan) whose metabolism is mediated by the CYP2D6 isozyme. In these patients, the N-depropylpropafenone metabolite occurs in quantities comparable to the levels occurring in extensive metabolizers.

There are significant differences in plasma concentrations of propafenone in slow and extensive metabolizers, the former achieving concentrations 1.5 to 2.0 times those of the extensive metabolizers at daily doses of 675 to 900 mg/day. At low doses the differences are greater, with slow metabolizers attaining concentrations more than five times that of extensive metabolizers. Because the difference decreases at high doses and is mitigated by the lack of the active 5-hydroxy metabolite in the slow metabolizers, and because steady-state conditions are achieved after 4 to 5 days of dosing in all patients, the recommended dosing regimen is the same for all patients. The greater variability in blood levels require that the drug be titrated carefully in patients with close attention paid to clinical and ECG evidence of toxicity [see Dosage and Administration (2)].

Stereochemistry: Propafenone hydrochloride tablets are a racemic mixture. The R- and S-enantiomers of propafenone display stereoselective disposition characteristics. In vitro and in vivo studies have shown that the R-isomer of propafenone is cleared faster than the S-isomer via the 5-hydroxylation pathway (CYP2D6). This results in a higher ratio of S-propafenone to R-propafenone at steady state. Both
enantiomers have equivalent potency to block sodium channels; however, the S-enantiomer is a more potent β-antagonist than the R-enantiomer. Following administration of propafenone hydrochloride immediate-release tablets, the S/R ratio for the area under the plasma concentration-time curve was about 1.7. In addition, no difference in the average values of the S/R ratios is evident between genotypes or over time.

**Special Populations:** *Hepatic Impairment:* Decreased liver function increases the bioavailability of propafenone. Absolute bioavailability of propafenone hydrochloride immediate-release tablets is inversely related to indocyanine green clearance, reaching 60-70% at clearances of 7 mL/min and below. Protein binding decreases to about 88% in patients with severe hepatic dysfunction. The clearance of propafenone is reduced and the elimination half-life increased in patients with significant hepatic dysfunction [see *Warnings and Precautions* (5.9)].

### 13 NONCLINICAL TOXICOLOGY

#### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Lifetime maximally tolerated oral dose studies in mice (up to 360 mg/kg/day, about twice the maximum recommended human oral daily dose [MRHD] on a mg/m² basis) and rats (up to 270 mg/kg/day, about 3 times the MRHD on a mg/m² basis) provided no evidence of a carcinogenic potential for propafenone hydrochloride.

Propafenone hydrochloride tested negative for mutagenicity in the Ames (salmonella) test and in the *in vivo* mouse dominant lethal test. It tested negative for clastogenicity in the human lymphocyte chromosome aberration assay *in vitro* and in rat and Chinese hamster micronucleus tests, and other *in vivo* tests for chromosomal aberrations in rat bone marrow and Chinese hamster bone marrow and spermatogonia.

Propafenone hydrochloride, administered intravenously to rabbits, dogs, and monkeys, has been shown to decrease spermatogenesis. These effects were reversible, were not found following oral dosing of propafenone hydrochloride, were seen at lethal or near lethal dose levels and were not seen in rats treated either orally or intravenously [see *Warnings and Precautions* (5.13)]. Treatment of male rabbits for 10 weeks prior to mating at an oral dose of 120 mg/kg/day (about 2.4 times the MRHD on a mg/m² basis) or an intravenous dose of 3.5 mg/kg/day (a spermatogenesis-impairing dose) did not result in evidence of impaired fertility. Nor was there evidence of impaired fertility when propafenone hydrochloride was administered orally to male and female rats at dose levels up to 270 mg/kg/day (about 3 times the MRHD on a mg/m² basis).

#### 13.2 Animal Toxicology and/or Pharmacology

Renal changes have been observed in the rat following 6 months of oral administration of propafenone hydrochloride at doses of 180 and 360 mg/kg/day (about 2 and 4 times, respectively, the MRHD on a mg/m² basis). Both inflammatory and non-inflammatory changes in the renal tubules, with accompanying interstitial nephritis, were observed. These changes were reversible, as they were not found in rats allowed to recover for 6 weeks. Fatty degenerative changes of the liver were found in rats following longer durations of administration of propafenone hydrochloride at a dose of 270 mg/kg/day (about 3 times the MRHD on a mg/m² basis). There were no renal or hepatic changes at 90 mg/kg/day (equivalent to the MRHD on a mg/m² basis).

### 14 CLINICAL STUDIES

In two randomized, crossover, placebo-controlled, double-blind trials of 60 to 90 days duration in patients with paroxysmal supraventricular arrhythmias [paroxysmal atrial fibrillation/flutter (PAF), or paroxysmal supraventricular tachycardia (PSVT)], propafenone reduced the rate of both arrhythmias, as shown in Table 3.
Table 3: Reduction of Arrhythmias in Patients with PAF or PSVT

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<th>Study 2</th>
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<td>Propafenone</td>
<td>Placebo</td>
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<td><strong>PAF</strong></td>
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<tr>
<td>Percent attack free</td>
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<tr>
<td></td>
<td>&gt; 98 days</td>
<td>8 days</td>
</tr>
<tr>
<td><strong>PSVT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent attack free</td>
<td>n = 45</td>
<td>n = 45</td>
</tr>
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<td></td>
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<td>16%</td>
</tr>
<tr>
<td></td>
<td>&gt; 98 days</td>
<td>12 days</td>
</tr>
</tbody>
</table>

The patient population in the above trials was 50% male with a mean age of 57.3 years. Fifty percent of the patients had a diagnosis of PAF and 50% had PSVT. Eighty percent of the patients received 600 mg/day propafenone. No patient died in the above 2 studies.

In U.S. long-term safety trials, 474 patients (mean age: 57.4 ± 14.5 years) with supraventricular arrhythmias [195 with PAF, 274 with PSVT and 5 with both PAF and PSVT] were treated up to 5 years (mean: 14.4 months) with propafenone. Fourteen of the patients died. When this mortality rate was compared to the rate in a similar patient population (n = 194 patients; mean age: 43.0 ± 16.8 years) studied in an arrhythmia clinic, there was no age-adjusted difference in mortality. This comparison was not, however, a randomized trial and the 95% confidence interval around the comparison was large, such that neither a significant adverse or favorable effect could be ruled out.

16 HOW SUPPLIED/STORAGE AND HANDLING

Propafenone Hydrochloride Tablets USP are supplied as:

150 mg - White, biconvex, round, film-coated tablets debossed with “ANI” over “230” and scored on one side and plain on the other side. This strength is supplied in bottles of 100 tablets under NDC 62559-230-01.

225 mg - White, biconvex, round, film-coated tablets debossed with “ANI” over “231” and scored on one side and plain on the other side. This strength is supplied in bottles of 100 tablets under NDC 62559-231-01.

300 mg - White, biconvex, round, film-coated tablets debossed with “ANI” over “232” and scored on one side and plain on the other side. This strength is supplied in bottles of 100 tablets under NDC 62559-232-01.

Storage: Store at 20° to 25°C (68° to 77°F); [see USP Controlled Room Temperature]. Dispense in a tight, light-resistant container.

17 PATIENT COUNSELING INFORMATION

See FDA-approved patient labeling (Patient Information).

17.1 Information for Patients

* Patients should be instructed to notify their health care providers of any change in over-the-counter, prescription and supplement use. The health care provider should assess the patients’ medication history including all over-the-counter, prescription and herbal/natural preparations for those that may affect the pharmacodynamics or kinetics of propafenone hydrochloride tablets [see Warnings and Precautions (5.4)].
Patient Information
Propafenone Hydrochloride Tablets USP

What are propafenone hydrochloride tablets?
Propafenone hydrochloride tablets are a prescription medicine that is used:

• in certain people who have ventricular heart rhythm disorders
• to increase the amount of time between having symptoms of heart rhythm disorders called atrial fibrillation (AF) or paroxysmal supraventricular tachycardia (PSVT)

It is not known if propafenone hydrochloride tablets are safe and effective in children.

Who should not take propafenone hydrochloride tablets?
Do not take propafenone hydrochloride tablets if you have:

• heart failure (weak heart)
• had a recent heart attack
• a heart rate that is too slow, and you do not have a pacemaker
• a heart condition called Brugada Syndrome
• very low blood pressure
• certain breathing problems that make you short of breath or wheeze
• certain abnormal body salt (electrolyte) levels in your blood

Talk to your doctor before taking propafenone hydrochloride tablets if you think you have any of the conditions listed above.

What should I tell my doctor before taking propafenone hydrochloride tablets?
Before you take propafenone hydrochloride tablets, tell your doctor if you:

• have liver or kidney problems
• have breathing problems
• have symptoms including diarrhea, sweating, vomiting, or loss of appetite or thirst that are severe. These symptoms may be a sign of abnormal electrolyte levels in your blood.
• have myasthenia gravis
• have lupus erythematosus
• have been told you have or had an abnormal blood test called Antinuclear Antibody Test or ANA Test
• have any other medical conditions
• are pregnant or plan to become pregnant. It is not known if propafenone hydrochloride tablets will harm your unborn baby.
• are breastfeeding or plan to breastfeed. Propafenone hydrochloride tablets can pass into your milk and may harm your baby. You and your doctor should decide if you will breastfeed or take propafenone hydrochloride tablets. You should not do both.

Tell your doctor about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Propafenone hydrochloride tablets and certain other medicines can affect (interact with) each other and cause serious side effects. You can ask your pharmacist for a list of medicines that interact with propafenone hydrochloride tablets.

Know the medicines you take. Keep a list of them to show your doctor and pharmacist when you get a new medicine.

How should I take propafenone hydrochloride tablets?

• Take propafenone hydrochloride tablets exactly as prescribed. Your doctor will tell you how many tablets to take and how often to take them.
• To help reduce the chance of certain side effects, your doctor may start you with a low dose of propafenone hydrochloride tablets, and then slowly increase the dose.
• You should not drink grapefruit juice during treatment with propafenone hydrochloride tablets.
• If you miss a dose of propafenone hydrochloride tablets, take your next dose at the usual time. Do not take 2 doses at the same time.
• If you take too much propafenone hydrochloride tablets, call your doctor or go to the nearest hospital emergency room right away.
• Call your doctor if your heart problems get worse.

What are possible side effects of propafenone hydrochloride tablets?

Propafenone hydrochloride tablets can cause serious side effects including:

• New or worsened abnormal heart beats, that can cause sudden death or be life-threatening. Your doctor may do an electrocardiogram (ECG or EKG) before and during treatment to check your heart for these problems.
• New or worsened heart failure. Tell your doctor about any changes in your heart symptoms, including:
  • any new or increased swelling in your arms or legs
  • trouble breathing
  • sudden weight gain
• Effects on pacemaker function. Propafenone hydrochloride tablets may affect how an implanted pacemaker or defibrillator works. Your doctor should check how your pacemaker or defibrillator is working during and after treatment with propafenone hydrochloride tablets. They may need to be re-programmed.
• Very low white blood cell levels in your blood (agranulocytosis). Your bone marrow may not produce enough of a certain type of white blood cells called neutrophils. If this happens, you are more likely to get infections. Tell your doctor right away if you have any of these symptoms, especially during the first 3 months of treatment:
Common side effects of propafenone hydrochloride tablets include:

- unusual taste
- constipation
- nausea
- headache
- vomiting
- tiredness
- dizziness
- irregular heart beats

Tell your doctor if you have any side effect that bothers you or that does not go away.

These are not all the possible side effects of propafenone hydrochloride tablets. For more information, ask your doctor or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store propafenone hydrochloride tablets?

- Store propafenone hydrochloride tablets at room temperature between 68°F to 77°F (20°C to 25°C).
- Keep the bottle tightly closed.

Keep propafenone hydrochloride tablets and all medicines out of the reach of children.

General information about propafenone hydrochloride tablets

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information Leaflet. Do not use propafenone hydrochloride tablets for a condition for which it was not prescribed. Do not give propafenone hydrochloride tablets to other people, even if they have the same symptoms you have. It may harm them.

If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about propafenone hydrochloride tablets that is written for health professionals. For more information about propafenone hydrochloride tablets, call 1-800-308-6755.

What are the ingredients in propafenone hydrochloride tablets?

Active ingredient: propafenone hydrochloride

Inactive ingredients: corn starch, croscarmellose sodium, hypromellose, maltodextrin, magnesium stearate, microcrystalline cellulose, polydextrose, polyethylene glycol, povidone, silicon dioxide colloidal, titanium dioxide, and triacetin.

This Patient Information has been approved by the U.S. Food and Drug Administration.

Manufactured by:
Package/Label Display Panel
Propafenone Hydrochloride Tablets USP, 150 mg
NDC 62559-230-01
Rx only
100 Tablets

Package/Label Display Panel
Propafenone Hydrochloride Tablets USP, 225 mg
NDC 62559-231-01
Rx only
100 Tablets
# PROPafenone Hydrochloride Tablets USP, 300 mg

NDC 62559-232-01

Rx only

100 Tablets

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## Inactive Ingredients

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### PROPAAFENONE HYDROCHLORIDE

propafenone hydrochloride tablet, coated

### Product Information

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### Active Ingredient/Active Moiety

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<th>Basis of Strength</th>
<th>Strength</th>
</tr>
</thead>
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### Inactive Ingredients

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<td>Povidones (UNII: FZ989GH4E)</td>
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<td>CELLULOSE, MICROCRYSTALLINE (UNII: OPIR32D61U)</td>
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<tr>
<td>SILICON DIOXIDE (UNII: ETJ7Z6XBU4)</td>
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<td>MAGNESIUM STEARATE (UNII: 70097M6B0)</td>
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<tr>
<td>HYPROMELLOSES (UNII: 3NXW29V3WO)</td>
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<tr>
<td>MALTO DEXTRIN (UNII: 7CVR7L4A2D)</td>
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<tr>
<td>POLYETHYLENE GLYCOLS (UNII: 3WJQ0SDW1A)</td>
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<tr>
<td>TITANIUM DIOXIDE (UNII: 15FIX9V2JP)</td>
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<tr>
<td>POLYDEXTROSE (UNII: VH2XOU12IE)</td>
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<tr>
<td>TRIACETIN (UNII: XHX3C3X673)</td>
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Product Characteristics

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<th>Score</th>
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Packaging

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<th>Package Description</th>
<th>Marketing Start Date</th>
<th>Marketing End Date</th>
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<tbody>
<tr>
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<td>NDC:62559-231-01</td>
<td>100 in 1 BOTTLE; Type 0: Not a Combination Product</td>
<td>03/31/2015</td>
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Marketing Information

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<tr>
<th>Marketing Category</th>
<th>Application Number or Monograph Citation</th>
<th>Marketing Start Date</th>
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<tbody>
<tr>
<td>ANDA</td>
<td>ANDA076550</td>
<td>03/31/2015</td>
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PROPAFENONE HYDROCHLORIDE
propafenone hydrochloride tablet, coated

Product Information

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<tr>
<th>Product Type</th>
<th>Item Code (Source)</th>
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<tbody>
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<td>ORAL</td>
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Active Ingredient/Active Moiety

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<tr>
<th>Ingredient Name</th>
<th>Basis of Strength</th>
<th>Strength</th>
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<tbody>
<tr>
<td>PROPAFENONE HYDROCHLORIDE</td>
<td>PROPAFENONE</td>
<td>300 mg</td>
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<td>(UNII: 33XCH0HOCD)</td>
<td>HYDROCHLORIDE</td>
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<td>(PROPAFENONE - UNII:68IQX3T69U)</td>
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Inactive Ingredients

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<td>STARCH, CORN (UNII:O8232NY3SJ)</td>
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<td>Povidones (UNII:FZ989GH94E)</td>
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<td>Croscarmellose Sodium (UNII:M28OL1HH48)</td>
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<td>Cellulose, Microcrystalline (UNII:OP1R32D61U)</td>
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<td>Magnesium Stearate (UNII:70097M6E30)</td>
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<td>Titanium Dioxide (UNII:15FIX9V2JP)</td>
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<td>Polydextrose (UNII:VH2XOU12E)</td>
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<td>Triacetin (UNII:XHX3C3X673)</td>
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Product Characteristics

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<td>Contains</td>
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Labeler - ANI Pharmaceuticals, Inc. (145588013)

Registrant - ANI Pharmaceuticals, Inc. (145588013)

Establishment

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>ID/FEI</th>
<th>Business Operations</th>
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Revised: 3/2015

ANI Pharmaceuticals, Inc.